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UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE
Washington, D. C.

B. E. P. Q. 481

ADMINISTRATIVE INSTRUCTIONS
THE SHIPMENT OF FRUITS AND VEGETABLES FROM HAWAII TO THE
MAINLAND SUBJECT TO STERILIZATION UNDER SUPERVISION
IS AUTHORIZED

(Approved October 19, 1938; effective November 1, 1938)

Extensive experiments have demonstrated that holding of fruits and vegetables at certain prescribed temperatures for certain periods will kill all stages of the Mediterranean fruitfly and the melonfly. Available data suggest that certain fruits and vegetables may be subjected to such treatment without affecting their palatability and marketability. Treatment in Hawaii of fruits and vegetables at prescribed temperatures under supervision of inspectors of the Bureau of Entomology and Plant Quarantine and the handling of the treated products under supervision so as to prevent reinfestation will preclude the possible introduction of these pests into the mainland and the following two treatments are prescribed:

1. Cooling until the approximate center of the fruit or vegetable reaches a temperature of 35° F. and holding the fruit or vegetable so the inside temperature does not exceed 35° F. for a period of 15 days.
2. Heating the fruit or vegetable until the approximate center reaches 110° F. and holding this temperature for a period of 8 hours.

On the basis of evidence obtained and under the authority contained in the first proviso of regulation 2 of the rules and regulations supplemental to Quarantine 13, provision is hereby made for the certification of fruits and vegetables for movement from the Territory of Hawaii into or through any State, Territory, or District of the United States when treatments are applied in Hawaii at plants designated for this purpose by the United States Department of Agriculture and under the supervision of the inspectors of the Bureau of Entomology and Plant Quarantine, provided that in the issuance of permits fruits and vegetables so treated shall be moved and handled by the treating plant and loaded on ships in a manner which, in the judgment of the inspectors, will preclude fruitfly infestation subsequent to treatment.



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In authorizing the entry of fruits and vegetables into the mainland of the United States under the provisions of this circular, it should be emphasized that inexactness and carelessness in applying the treatment may result in injury to fruits or vegetables or to their rejection.

The treatment required under the provisions of this circular represents the requirements necessary for the elimination of pest risk and no liability shall be attached to the United States Department of Agriculture or to any officer or representative of that Department in event of injury resulting to fruit or vegetable offered for entry under the provisions of this circular. It should also be emphasized that evidence based on trial shipments under conditions of transportation from Hawaii is not available to demonstrate that fruits and vegetables will be marketable after the application of the treatments here authorized, and that any fruits or vegetables treated and shipped under the provisions of this circular are at the risk of the shipper.

LEE A. STRONG,
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